The point Nuclear Activation code

ACTYS

Ref: Ann. Nucl. Energy 107C (2017)

→ Tailored for fusion

→ More physics

→ Flexible data libraries

→ More rad-waste schemes

→ Fast and accurate

The problem of fast activation analysis for fusion system is addressed with

ACTYS-1-GO

Fusion Engineering and Design
Volume 122, PP 154-162 (2017)

&

Fusion Engineering and Design 129, 2018.

→ New multipoint algorithm

→ Very fast and accurate

→ Problems with 1 million points can be solved in hours instead of tens of days

→ More visualization tools

The problem of fast single step material optimization for a single spectrum is addressed

Developing a fundamental mathematical method → METTA

The problem of full material optimization with group of spectrum is addressed with

ACTYS-1-GO-Multi-point optimization